

Wideband Coaxial Cables

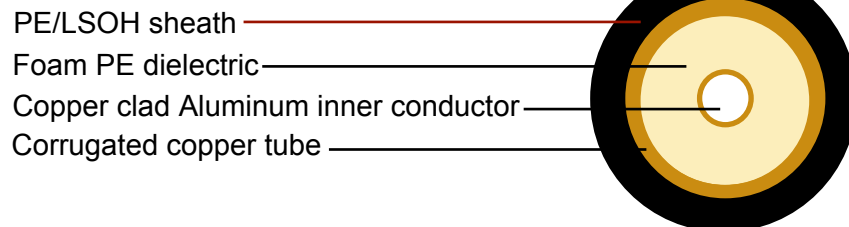
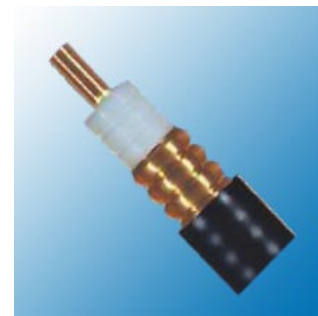
RF16(5/8")

Construction

Inner conductor	Copper clad Aluminium	Φ7.11 mm
Dielectric	Foam PE	Φ18.03 mm
Outer conductor	Corrugated copper	Φ19.81 mm
Sheath	PE/LSOH	Φ22.10 mm

Electrical & Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	76 pF/m
Velocity of propagation	88%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	0.72 Ohm/Km
Outer conductor resistance	1.38 Ohm/Km
Installation temperature range	-40°C - +60 °C
Operating temperature range	-55°C - +85°C
Test voltage	5 KV
Cable weight (approx.)	401 kg/km
Operating Frequency Band	1 – 6100 MHz
Screening effectiveness	>120dB



Attenuation

Frequency (MHz)	Attenuation (dB/100m)	Attenuation (dB/100ft)	Frequency (MHz)	Attenuation (dB/100m)	Attenuation (dB/100ft)
10	0.48	0.15	1700	7.29	2.22
100	1.55	0.47	1800	7.54	2.30
150	1.92	0.59	2000	8.02	2.45
200	2.24	0.68	2100	8.25	2.52
300	2.78	0.85	2200	8.48	2.59
450	3.46	1.05	2300	8.70	2.65
500	3.66	1.12	2500	9.15	2.79
700	4.41	1.34	2700	9.57	2.92
800	4.75	1.45	3000	10.20	3.11
900	5.06	1.54	4000	12.14	3.70
1000	5.38	1.64	5000	13.94	4.25
1500	6.78	2.07	6000	15.63	4.77

Return Loss

806-960 MHz	24.3dB
1700-2000 MHz	24.3dB

